T	NTED	VAT	IAMAI.	SEARCH	REPORT
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International applic	ation i	lo.	 _	
PCT/BR02/00182				
IPC				

A. CLASSIFICATION OF SUBJECT MATTER									
IPC(7)	: F16D 69/00								
US CL	: 188/71.6, 250R, 250G, 264R	alanda di salenia di salenia							
	International Patent Classification (IPC) or to both na	tional classification and IPC							
B. FIEL	DS SEARCHED								
Minimum do	cumentation searched (classification system followed b	y classification symbols)							
	88/71.6, 250R, 250G, 264R	• •							
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Documentation	on searched other than minimum documentation to the	extent that such documents are included in	the fields searched						
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	ta base consulted during the international search (name	of data base and, where practicable, sear	ch terms used)						
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1									
C. DOC	UMENTS CONSIDERED TO BE RELEVANT								
Category *	Citation of document, with indication, where a	propriate of the relevant naccages	Relevant to claim No.						
X	US 6,109,399 A (CRAWFORD et al.) 29 August 20	<del> </del>	1						
^		UU (27.U8.2UUU), WIIOIC GOCUITIERIT,	1						
x	figure7.	1093) 5 2	1						
^	GB 2 110 327 A (HOWARTH) 15 June 1983 (15.06	, 1303), figure 3.	1						
"	ED 4 640 222 A1 (DICAT) 15 T 1000 (15 06 100								
X	FR 2 640 337 A1 (RIGAL) 15 June 1990 (15.06.199	v), see abstract and figures 4 and 5.	1						
	ID 62 167124 A CHTLACHT COTTLA C- 1 CT	(who 1000 /11 07 1000	1						
^ i	X JP 63 167134 A (HITACHI CHEM. Co. LTD.) 11 July 1988 (11.07.1988), see abstract at								
x	figure 2.	097)	4						
^	JP 62 209235 A (OTA) 14 September 1987 (14.09.1)	987), abstract and figure 3.	1						
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Further	documents are listed in the continuation of Box C.	See patent family annex.							
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- S	pecial caregories of clied documents:	"T" later document published after the inter date and not in conflict with the applica-	mational filing date of priority						
"A" document	defining the general state of the art which is not considered to be of	principle or theory underlying the inve							
	relevance	, , , , ,	_						
"E" earlier app	plication or patent published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be consider							
,		when the document is taken alone	arreste mi mitemite 32/						
	which may throw doubts on priority claim(s) or which is cited to	NAME AND ADDRESS OF THE OWNER, AND ADDRESS O	talaani inaaniina naama ta						
establish (	the publication date of another citation or other special reason (as	"Y" document of particular relevance; the c considered to involve an inventive step							
	•	combined with one or more other such	documents, such combination						
"O" document	referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in the	art						
P" document published prior to the international filing date but later than the "&" document member of the same patent family									
	priority date chalmed								
Date of the a	ctual completion of the international search	Date of mailing of the international searce	th report						
}									
08 May 2003	(08.05.2003)	<b>19</b> FEB 2004							
Name and ma	ailing address of the ISA/US	Authorized officer							
1	il Stop PCT, Attn: ISA/US	Jack Lavinder V. Vosse							
Cor									
	P.O. Box 1450 Alexandria, Virginia 22313-1450 Telephone No. 703-308-1113								
	Facsimile No. (703)305-3230								
	Form PCT/ISA/210 (second sheet) (July 1998)								
	(JUVUIN 31100) (JUIT 1//U)								

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